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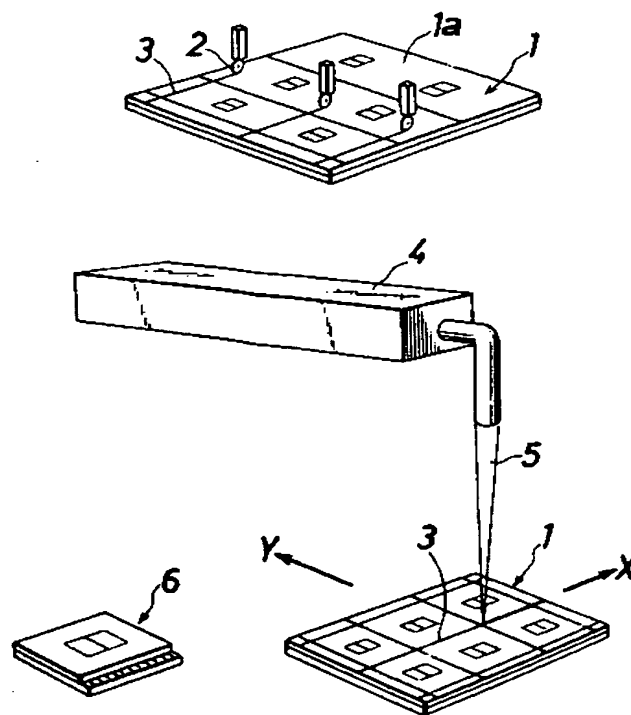
APPLICATION DATE : 22-11-82
APPLICATION NUMBER : 57205279

APPLICANT : STANLEY ELECTRIC CO LTD;

INVENTOR : MORI KIJU;

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TITLE : METHOD FOR BREAKING GLASS
CELL



ABSTRACT : PURPOSE: To break surely and smoothly a glass cell by a thermal shock by scribing parts of the cell to be broken with superhard tips and by irradiating laser light on the resulting lines.

CONSTITUTION: Parts of one side 1a of a glass cell 1 to be broken are scribed with superhard tips 2 for scribing. Laser beams are irradiated on the cell 1 along the resulting lines 3 to break the cell 1 by a thermal shock due to the laser light. The cell 1 is not cracked in a direction shifted from the lines 3 even when a thermal strain is applied to the cell 1. Unlike a conventional method the cell 1 is not mechanically deformed, so the cracking of the glass and the adhesive layer can be prevented. A symbol 6 is a broken unit cell for a liq. crystal.

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